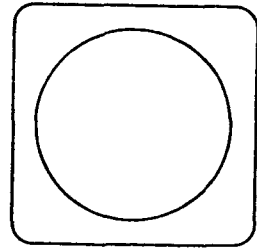


14P
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EARTH SATELLITE CORPORATION
(EarthSat)



1747 PENNSYLVANIA AVENUE, N.W., WASHINGTON, D. C. 20006
TELEPHONE: (202) 223-8100 TELEEX: EARTHSAT64449

April 9, 1973

E7.3 10480.
CR-131300

National Aeronautics & Space Administration
Goddard Space Flight Center
Greenbelt Road
Greenbelt, Maryland 20771

ATTN : Distribution

SUB : Type I Progress Report "Investigation To Improve Menhaden
Fishery Prediction." (SR 258) Dr. Paul M. Maughan, PI
(PR 507), Contract NAS 5-21743

REPORTING PERIOD: February 11, 1973 to April 10, 1973

Gentlemen:

This Type I Progress Report is submitted in compliance with
Article II, Item 3 of the subject contract.

Accomplishments This Reporting Period

The majority of the effort expended during the reporting period has been directed toward continued analysis of "sea truth" and remote data. This has included correlation of fish catch location with turbid features imaged by ERTS MSS, as well as correlation of MSS image density as determined from images and digital tapes with "in situ" determination of water transparency and water depth. Computer enhanced images are also being produced and utilized to further delineate relationships between ERTS imaged features and distribution of commercially available fish schools.

Preliminary comparisons of results obtained by EarthSat and by NMFS personnel were also initiated leading to a scheduled meeting at MTF in May during which final review of analysis procedures and results of data analyzed by the various groups will be achieved.

A paper was presented at the "Symposium on Significant Results Obtained From ERTS-1" sponsored by GSFC. This paper dealt with those results obtained to date, specifically with respect to relationship between turbid features in Mississippi Sound and distribution of commercial fishing effort.

(E73-10480) INVESTIGATION TO IMPROVE
MENHADEN FISHERY PREDICTION Progress
Report, 11 Feb. - 10 Apr. 1973 (Earth
Satellite Corp.) 3 p HC \$3.00 CSCL 08A

N73-21317

Unclas
G3/13 00480

Planned Activities

Final analyses of data will be completed and discussed with the other experiment participants at a meeting scheduled for 1 May at the FEL/NMFS at the Mississippi Test Facility.

During the upcoming period, the final report for this project will be completed and submitted.

Changes in Standing Order Forms

None

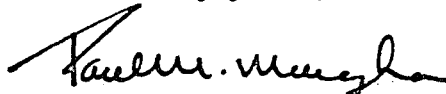
ERTS Image Descriptor Forms

Attached

Data Request Forms

None

Sincerely yours,

A handwritten signature in dark ink, appearing to read "Paul M. Maughan". The signature is fluid and cursive, with a large initial "P" and "M".

Paul M. Maughan
Principal Investigator

Attachment

2

ERTS IMAGE DESCRIPTOR FORM

(See Instructions on Back)

DATE 9 April 1973

PRINCIPAL INVESTIGATOR Paul M. Maughan

GSFC P 507

ORGANIZATION Earth Satellite Corporation

NDPF USE ONLY

D _____

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ID _____

PRODUCT ID (INCLUDE BAND AND PRODUCT)	FREQUENTLY USED DESCRIPTORS*			DESCRIPTORS
	Turbid Water	Shoal Water	Estuaries	
1158-15564-4	x	x	x	Marshes Islands Barrier Beaches Bayous
" -5	x	x	x	
" -6	x	x	x	
" -7	x	x	x	
1194-15564-4	x	x	x	Jetties Barrier Islands Rivers
" -5	x	x	x	
" -6	x	x	x	
" -7	x	x	x	
1195-16023-4	x	x	x	The Above Descriptor Apply to all Referenced Images
" -5	x	x	x	
" -6	x	x	x	
" -7	x	x	x	

*FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK (✓) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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